

## TABLE OF CONTENTS

<b>Executive Summary.....</b>	<b>ES-1</b>
<b>National Environmental Policy Act Statement.....</b>	<b>iv</b>
<b>Document Format and Environmental Streamlining.....</b>	<b>v</b>
<b>Basic Sheets – Background Information.....</b>	<b>1</b>
A.    Background Information.....	2
1.    Geographical Setting .....	2
2.    Description of Proposed Action .....	3
3.    Purpose and Need of Proposed Action .....	9
4.    Description of Alternatives Considered.....	23
5.    Traffic Summary.....	46
6.    Land Use.....	52
7.    Compatibility with Adopted Plans .....	53
B.    Environmental Consequences.....	56
1.    Environmental Issues .....	56
2.    Summary Table of Environmental Impacts of All Alternatives.....	59
3.    Environmental Matrix .....	61
<b>Factor Sheets – Affected Environment and Environmental Conditions .....</b>	<b>71</b>
A.    Socio-economic Factors .....	72
1.    General Economics Impact Evaluation Factor Sheet .....	72
2.    Community or Residential Impact Evaluation Factor Sheet.....	76
3.    Economic Development and Business Impact Evaluation Factor Sheet.....	92
4.    Agricultural Impact Evaluation Factor Sheet .....	99
5.    Environmental Justice Evaluation Factor Sheet.....	108
B.    Natural Environment Factors .....	113
1.    Wetlands Impact Evaluation Factor Sheet .....	113
2.    Streams and Floodplains Impact Evaluation Factor Sheet .....	122
3.    Upland Habitat Impact Evaluation Factor Sheet.....	127
C.    Physical Environment Factors .....	131
1.    Air Quality Impact Evaluation Factor Sheet.....	131
2.    Construction Stage Sound Quality Impact Evaluation Factor Sheet .....	133
3.    Traffic Noise Impact Evaluation Factor Sheet .....	135
4.    Hazardous Substances or Underground Storage Tanks (UST's) Factor Sheet	146
5.    Energy Requirements .....	148
D.    Cultural Environment Factors .....	149
1.    Historic Structures/Buildings Impact Evaluation Factor Sheet .....	149
2.    Archaeological Sites Impact Evaluation Factor Sheet.....	157
3.    Aesthetics Factor Sheet.....	161
<b>Measures to Minimize &amp; Mitigate Adverse Impacts .....</b>	<b>166</b>
1.    Finding of No Practicable Alternative – Wetlands .....	166
2.    Environmental Commitments for Direct Impact Mitigation .....	166
<b>Comments and Coordination.....</b>	<b>167</b>
A.    Agency Coordination.....	168
B.    Public Involvement.....	170
C.    Comment Summary .....	177
D.    List of Agencies, Organizations, and Persons to Whom Copies of the Statement Were Sent .....	183
E.    Advisory Committee Members.....	185

List of Preparers .....	186
Glossary of Terms and Acronyms .....	188
Index.....	191

## Figures

Figure 1: Study Area .....	4
Figure 2: Broad Range of Alternatives.....	5
Figure 3: Main Street Existing Typical Sections .....	6
Figure 4: Robert Street Existing Typical Sections .....	7
Figure 5: Alternatives Retained for Detailed Study.....	8
Figure 6: Wisconsin Corridors 2020 Backbone and Connector Routes .....	19
Figure 7: Fort Atkinson Street Map.....	20
Figure 8: Existing (2000) Average Daily Traffic (ADT) .....	21
Figure 9: Existing and Planned Land Use .....	22
Figure 10: Alternatives 2, 2a, 2c, 2d, 2e and 2f.....	36
Figure 11: Typical Sections for Alternatives .....	37
Figure 12: Alternative 1a.....	38
Figure 13: Alternative 2b.....	39
Figure 14: Alternative 2b Typical Sections Main Street.....	40
Figure 15: Alternative 2b Typical Sections Robert Street.....	41
Figure 16: Alternative 2b Typical Sections along Whitewater Avenue .....	42
Figure 17: Alternative 3.....	43
Figure 18: Alternative 7.....	44
Figure 19: Alternative 7a.....	45
Figure 20: 2030 ADT - Alternative 1 (No Action) .....	47
Figure 21: 2030 ADT – Alternative 2b .....	48
Figure 22: 2030 ADT – Alternative 3 .....	49
Figure 23: 2030 ADT - Alternative 7 .....	50
Figure 24: 2030 ADT - Alternative 7a .....	51
Figure 25: Robert L. Klement Business Park.....	98
Figure 26: Farm Severances .....	107
Figure 27: Wetlands Alternative 2b, 7 and 7a.....	119
Figure 28: Wetlands Alternative 3.....	120
Figure 29: Typical Construction Equipment Noise.....	133
Figure 30: Historic Properties, Alternative 2b .....	152
Figure 31: Historic Properties, Alternative 3, Map 1 .....	153
Figure 32: Historic Properties, Alternative 3, Map 2 .....	154
Figure 33: Historic Properties, Alternative 3, Map 3 .....	155
Figure 34: Approximate Locations of Newly Identified Archaeological Sites within the Study Corridors .....	156
Figure 35: Drawing of Alternative 7 – Aerial oblique view looking west .....	163
Figure 36: Drawing of Alternative 7a – Aerial oblique view looking north .....	164

## Tables

Table 1: 1994-2000 US 12 Average Annual Crash Rates by Segment .....	14
Table 2: Population Trends .....	15
Table 3: Work Location of Survey Respondents .....	16
Table 4: Jefferson County Civilian Labor Force Data .....	16
Table 5: WisDOT Planned Highway Improvements .....	17
Table 6: Summary of the Broad Range of Alternatives Considered.....	24
Table 7: Draft Summary of Impacts Used for Alternatives Screening From March 2004.....	26
Table 8: Alternative 1a: Transportation System Management (TSM) Improvements .....	32

Table 9: Traffic Summary.....	46
Table 10: Summary of Compatibility with Adopted Plans .....	53
Table 11: Environmental Matrix for All Alternatives .....	59
Table 12: Populations, Households and Families (number) .....	76
Table 13: Populations by Age (percent) .....	77
Table 14: Populations by Race (number) .....	77
Table 15: Median Household Income in 1999 .....	78
Table 16: Commuting – Means of Transportation to Work for Workers 16 Years and Over.....	79
Table 17: Travel Time to Work by Means of Transportation to Work for Workers 16 Years and Over Who Did Not Work at Home.....	79
Table 18: Access Changes .....	82
Table 19: Residential Impacts .....	85
Table 20: Characteristics of Displaced Households .....	86
Table 21: Relocation Potential in Community.....	87
Table 22: Number of Businesses and Jobs that would be Created or Displaced .....	93
Table 23: Jobs Created.....	95
Table 24: Type of Land Acquired from Farm Operations .....	99
Table 25: Number of Farms That Would Be Impacted .....	99
Table 26: Farm Severances.....	102
Table 27: Wildlife Species Present in the Project Area .....	116
Table 28: Summary of Potential Wetland Impacts.....	118
Table 29: Characteristics of Potentially Affected Streams.....	122
Table 30: Traffic Noise Impact Summary Alternative 2b .....	138
Table 31: Traffic Noise Impact Summary Alternative 3 .....	140
Table 32: Traffic Noise Impact Summary Alternative 7 .....	142
Table 33: Traffic Noise Impact Summary Alternative 7a .....	144
Table 34: Types of Contamination within ¼ Mile of Each Alternative .....	146
Table 35: Types of Contamination within Study Corridors .....	146
Table 36: Eligible and Listed Historic Properties by Alternative .....	149
Table 37: Archaeological Sites .....	158
Table 38: Federal and State Agency Coordination.....	169
Table 39: List of Public Meetings .....	170
Table 40: Coordination with Local Units of Government .....	174
Table 41: Locally Adopted Resolutions Regarding US 12.....	176

## Appendices

- Appendix A: Alternatives Assessment Worksheet
- Appendix B: Agency Coordination Letters
- Appendix C: Conceptual Stage Relocation Plan
- Appendix D: Secondary and Cumulative Impacts Report
- Appendix E: Newsletters and Other Public Involvement Documents
- Appendix F: Copies of Local Resolutions
- Appendix G: Agricultural Impact Statement
- Appendix H: Farmland Conversion Impact Rating Form (AD 1006)
- Appendix I: Noise Receptor Maps
- Appendix J: Correspondence with Potential Section 106 Consulting Parties